Jennifer C. Sedlachek Project Manager

ExxonMobil Refining & Supply Company Global Remediation – US Retail

4096 Piedmont Avenue #194
Oakland, California 94611
510.547.8196
510.547.8706 Fax
jennifer.c.sedlachek@exxonmobil.com



June 13, 2006

Mr. Tom Sayles California Regional Water Quality Control Board Central Coast Region 895 Aerovista Place, Suite 101 San Luis Obispo, California 93401

RE: Former Mobil RAS #10-HMG/1203 Mission Street, Santa Cruz, California.

Dear Mr. Sayles:

Attached for your review and comment is a copy of the letter report entitled *Well Destruction Report*, dated June 13, 2006, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Petaluma, California, and details well destruction activities at subject site.

If you have any questions or comments, please contact me at 510.547.8196.

Sincerely,

Jennifer C. Sedlachek Project Manager

Attachment:

ERI's Well Destruction Report, dated June 13, 2006.

cc:

w/ attachment

Mr. Steve Biaocchi, County of Santa Cruz Environmental Health Services

w/o attachment

Ms. Paula Sime, Environmental Resolutions, Inc.

June 13, 2006 ERI 256114.R04

Ms. Jennifer C. Sedlachek ExxonMobil Refining & Supply – Global Remediation 4096 Piedmont Avenue #194 Oakland, California 94611

SUBJECT

Well Destruction Report

Former Mobil Service Station 10-HMG 1203 Mission Street, Santa Cruz, California

Ms. Sedlachek:

At the request of ExxonMobil Oil Corporation (ExxonMobil), Environmental Resolutions, Inc. (ERI) performed well destruction and conveyance activities at the subject site. Well destruction and conveyance activities were approved by the California Regional Water Quality Control Board, Central Coast Region (Regional Board), in a letter dated February 21, 2006, and electronic correspondence dated March 21, 2006. Copies of regulatory correspondence are included in Attachment A.

BACKGROUND

The site is located on the southeastern corner of Mission Street and Laurel Street in Santa Cruz, California, as shown on the Site Vicinity Map (Plate 1). The locations of the conveyed and destroyed wells and other select site features are shown on the Generalized Site Plan (Plate 2). The site is currently owned by the Lopina Partners and is operated as an outpatient medical clinic. Properties in the vicinity of the site are occupied by commercial and residential developments.

WELL CONVEYANCE

In the letter dated February 21, 2006 (Attachment A), the Regional Board requested that wells associated with 1129 Mission Street and 1224 Mission Street, Santa Cruz, California, be conveyed to other responsible parties and that proof of conveyance agreements be submitted to both the Regional Board and the County of Santa Cruz Department of Environmental Health Services (the County).

On March 14, 2006, ERI submitted a copy of the well conveyance agreement for monitoring wells MW5 and MW6. ExxonMobil conveyed these wells to Shell Oil Products U.S. for use in the case associated with 1129 Mission Street (Attachment B).

On April 7, 2006, ERI submitted a copy of the well conveyance agreement for monitoring wells MW8 through MW10. ExxonMobil conveyed these wells to Mr. James J. Kelly for use in the case associated with 1224 Mission Street (Attachment B).

WELL DESTRUCTION

Permits and Field Methods

Prior to initiating field activities, ERI obtained monitoring well destruction permits from the County and the City of Santa Cruz Water Department. Additionally, ERI obtained a street opening permit from the City of Santa Cruz Public Works Department for the destruction of MW7 and subsequent surface restoration. Copies of the permits are included in Attachment C. Copies of State of California Department of Water

Resources Well Completion Reports (DWR Form 188) are also included in Attachment C. The work was performed in accordance with the well destruction permits, a site-specific health and safety plan, and ERI's standard field protocol (Attachment D).

Fieldwork

On April 17, 2006, ERI observed Woodward Drilling Company, Inc. (Woodward), of Rio Vista, California, remove the well box, concrete collar, and concrete mounting from wells MW3 and MW4. Woodward then completed clearance activities for groundwater monitoring well MW3 using vacuum excavation and a hand auger to approximately 4 feet below ground surface (fbgs). ERI then observed Woodward overdrill well MW3 to its total depth of approximately 25 fbgs using an 8-inch diameter auger. The boring was then grouted through the augers to within 6 inches of the ground surface.

Upon further inspection of the work area, it was determined that a trash enclosure restricted drilling access to well MW4. Based on the proximity of the enclosure to the well, ERI obtained authorization from the County to destroy well MW4 by pressure-grouting instead of over-drilling. ERI observed Woodward pressure-grout four groundwater monitoring wells (MW1, MW2, MW4, and MW7) to within 6 inches of the ground surface. Woodward finished the surface at three of the locations (wells MW3, MW4, and MW7) with a temporary concrete patch. Wells MW1 and MW2, located in the planter area, were topped with native soil.

On April 19, 2006, ERI observed Foy Kelley General Engineering of Petaluma, California, remove the temporary concrete patches at destroyed wells MW3, MW4, and MW7 and repair the surface using hot asphalt to match the surrounding pavement.

Waste Disposal

Soil generated during well abandonment activities was temporarily stored on site in 55-gallon drums. ERI collected a composite sample (four brass sleeves) from the stockpiled soil for laboratory analysis.

ERI submitted the composite soil sample to Sequoia Analytical (Sequoia), of Morgan Hill, California, a California state-certified laboratory, under Chain-of-Custody protocol. The composite sample was analyzed for total petroleum hydrocarbons as gasoline (TPHg) and total petroleum hydrocarbons as diesel (TPHd) using EPA Method 8015B; benzene, toluene, ethylbenzene, total xylenes, and methyl tertiary butyl ether using EPA Method 8021B; the EPA Method 8010 list of volatile organic compounds using EPA Method 8260B; and lead using EPA Method 6010B. The laboratory analytical report and Chain-of-Custody record are attached (Attachment E).

Rinsate water generated during well destruction activities was collected and temporarily stored on site in 55-gallon drums.

ERI picked up the water from the drums on May 3, 2006, and transported the water for disposal at the Romic Environmental Technologies Corp. disposal facility in East Palo Alto, California, on May 5, 2006. Dillard Environmental Services (Dillard), of Byron, California, collected six drums of soil and construction debris from the site on May 19, 2006, and transported the drums for disposal at the Republic Services, Inc., Vasco Road Landfill (Vasco Road), in Livermore, California. Waste disposal documentation is included in Attachment F.

CERTIFIED HYDROGEOLOGIST

CONCLUSIONS

This report documents the destruction or conveyance of the monitoring wells located at the subject site according to direction provided by the Regional Board. ERI conveyed monitoring wells MW5 and MW6 to Shell Oil Products U.S. (Attachment B); ERI conveyed monitoring wells MW8 through MW10 to Mr. James J. Kelly (Attachment B). ERI destroyed monitoring wells MW1 through MW4, and MW7.

The conditions for the issuance of a final case closure letter, detailed in the Regional Board's letter dated February 21, 2006 (Attachment A), have been met. Therefore, the Regional Board may now issue the formal case closure letter.

DOCUMENT DISTRIBUTION

ERI recommends submitting a copy of this report to:

Mr. Tom Sayles
California Regional Water Quality Control Board
Central Coast Region
895 Aerovista Place, Suite 101
San Luis Obispo, California 93401

Mr. Steve Biaocchi County of Santa Cruz Environmental Health Services 701 Ocean Street, Room 312 Santa Cruz, California 95060

LIMITATIONS

This report was prepared in accordance with generally accepted standards of environmental practice in California at the time this investigation was performed. This report has been prepared for ExxonMobil, and any reliance on this report by third parties shall be at such party's sole risk.

Please call Ms. Paula Sime, ERI's project manager for this site, at (707) 766-2000 with questions regarding this report.

Sincerely,

Environmental Resolutions, Inc.

Geoffrey V. Water tous

R.G. 5019 C.HG. 334

C.E.G. 1571

Attachments:

Plate 1:

Site Vicinity Map

Plate 2:

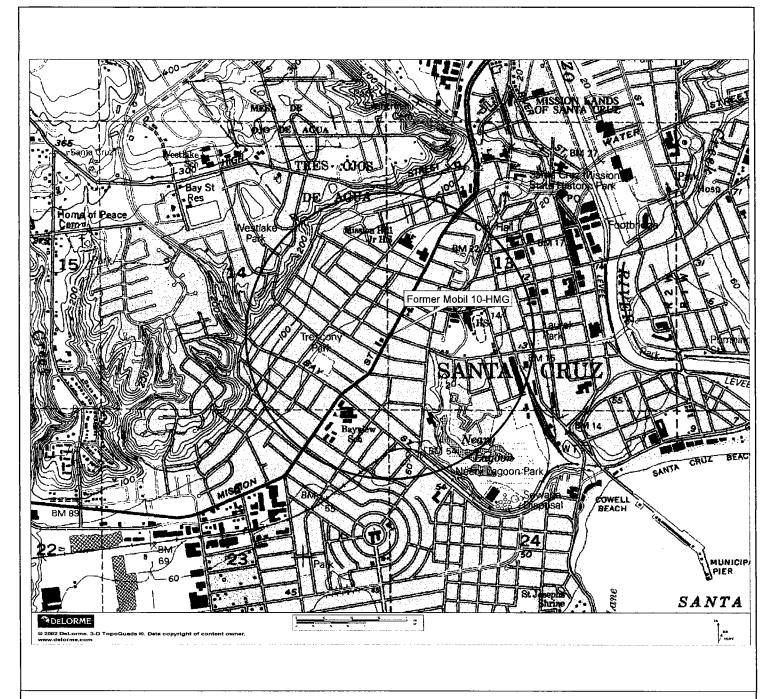
Generalized Site Plan

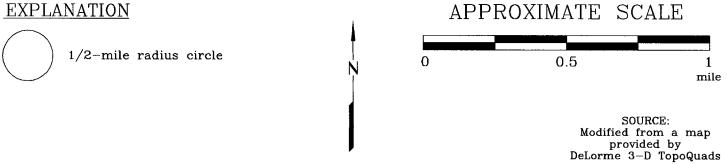
Attachment A: Regulatory Correspondence Attachment B: Well Conveyance Agreements

Attachment C: Permits

Attachment D: Field Protocol

Attachment E: Laboratory Analysis Report and Chain-of-Custody Record Attachment F: Waste Disposal Documentation



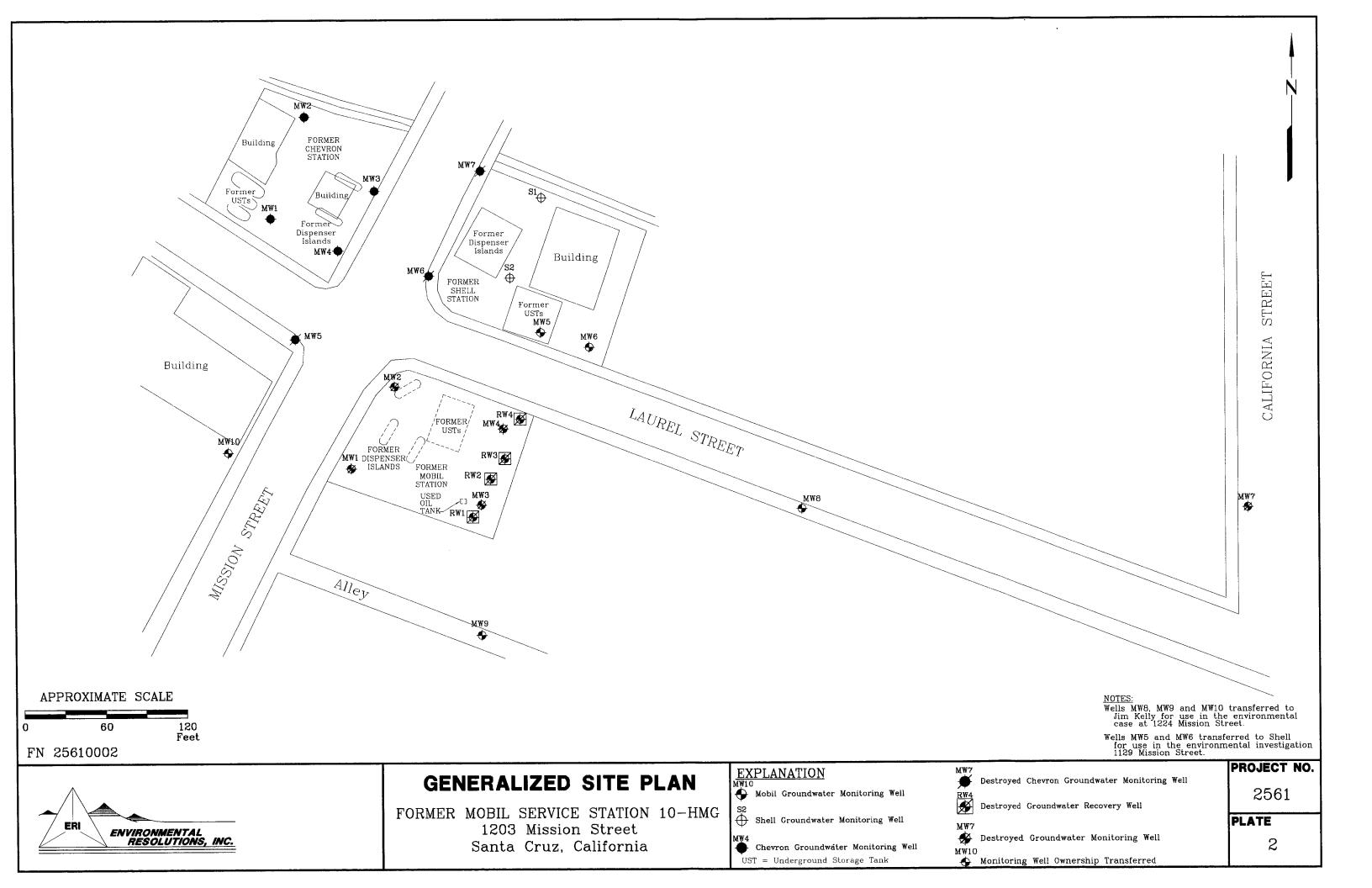




SITE VICINITY MAP

FORMER MOBIL SERVICE STATION 10-HMG 1203 Mission Street Santa Cruz, California

PROJECT	NO.
2561	
PLATE	
1	



ATTACHMENT A REGULATORY CORRESPONDENCE



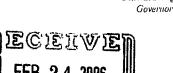
Agency Secretary

California Regional Water Quality Control Board

Central Coast Region



Internet Address:http://www.waterboards.ca.gov/centralcoast 895 Aerovista Place, Suite 101 San Luis Obispo, CA 93401-7906 Phone (805) 549-3147 • FAX (805) 543-0397



BY:----

February 21, 2006

Ms. Jennifer Sedlachek ExxonMobil Refining and Supply Company 4096 Piedmont Avenue, No. 194 Oakland, CA 94611

Dear Ms. Sedlachek:

UST: FORMER MOBIL SERVICE STATION 10-HMG, 1203 MISSION STREET, SANTA CRUZ, SANTA CRUZ COUNTY, CALIFORNIA; CASE CLOSURE (CASE NO. 1073)

The Central Coast Water Board (Water Board), at the February 10, 2006, board meeting, concurred with staff's recommendation to close this underground storage tank case. Therefore, we have no further requirements for site investigation and cleanup with regard to the former release.

Monitoring wells that are no longer required, or that are not transferred to different ownership, must be properly destroyed as a final condition of case closure. The Water Board requires proper destruction of groundwater monitoring wells to eliminate possible conduits for contaminant transport. All monitoring wells shall be transferred to the ownership of others or be properly destroyed by a C-57 licensed well driller and supervised by a State of California registered professional geologist or engineer. Proper well destruction requires compliance with California Department of Water Resources Bulletin No.74-81 and Supplement No. 74-90, Porter Cologne Water Quality Control Act Sections 13710 through 13755, and any local requirements. Prior to preceeding with well destruction, please coordinate with the responsible parties for the cases associated with 1129 Mission Street, and 1224 Mission Street, to transfer wells MW-5 and MW-6 and wells MW-1, MW-3, and MW-10, respectively, to the appropriate cases. Please submit a list of monitoring wells that will be transferred to other responsible parties to this office by March 15, 2006.

Please submit proof of well conveyance agreements and a well destruction report to this office and Santa Cruz County Health Services Agency by April 15, 2006. Upon receipt of the well conveyance agreements and the well destruction report, the Executive Officer will issue a formal case closure letter.

Failure to comply with these requirements will subject the responsible party to enforcement action by the Water Board, including issuance of an order under Water Code Sections 13267 and/or 13304, and potential administrative civil liabilities.

California Environmental Protection Agency



If you have questions regarding this matter, please call Tom Sayles at (805) 542-4640 or e-mail at <u>tsayles@waterboards.ca.gov</u>. Sincerely,

Roger W. Briggs Executive Officer

S:\UST\Regulated Sites\Santa Cruz Co\Santa Cruz\1203 Mission Street\closureapproval.doc

cc:

Mr. Steve Baiocchi Santa Cruz County Envir. Health Services 701 Ocean Street, Room 312 Santa Cruz, CA 95060

Ms. Paula Sime Environmental Resolutions, Incorporated 601 N. McDowell Boulevard Petaluma, CA 94954

Mr. James J. Kelly P. O. Box 2221 Santa Cruz, CA 95063

Ms. Debbie Arnold Delta Environmental Consultants 175 Bernal Road, Suite 200 San Jose, CA 95119

Mr. R. Lee Dooley Delta Environmental Consultants 175 Bernal Road, Suite 200 San Jose, CA 95119

Mr. Richard Alderson 4542 Arana Creek Way Santa Cruz, CA 95065

The Lopina Partners 360 Kiely Boulevard No. 220 San Jose, CA 95129 Ms. Carol Campagna Shell Oil Products 20945 S. Wilmington Avenue Carson, CA 90810-1039

Mr. Matt Paulus RRM Engineering 2560 Soquel Avenue, Suite 202 Santa Cruz, CA 95062

Paula M. Sime

From:

Tom Sayles [tsayles@waterboards.ca.gov]

Sent:

Tuesday, March 21, 2006 11:34 AM

To:

Paula M. Sime

Subject:

RE: 1203 Mission Street, Santa Cruz

Paula,

Your request for an extension is granted. The new due date is June 15, 2006. If you have any questions please let me know.

Thanks, Tom

Thomas A. Sayles Associate Engineering Geologist UST Unit Central Coast Water Board 895 Aerovista Place, Suite 101 San Luis Obispo, CA 93401-7906 TEL: (805) 542-4640; FAX: (805) 788-3538

NEW EMAIL ADDRESS (effective 11/08/04) tsayles@waterboards.ca.gov

How is my customer service? If you have comments you would like to express, please visit the following website and describe your experience: http://www.calepa.ca.gov/Customer/CSForm.asp

>>> "Paula M. Sime" <psime@ERI-US.com> 03/21/06 11:09 AM >>> Tom,

Thanks for responding. We will need to push back the drilling to April 17 and 18th. I would like to extend the due date for the report to June 13, 2006 if that's OK with you. We will be able to get the last remaining well conveyance agreement to you by April 15th as you requested.

Thank you, Paula

Paula Sime Environmental Resolutions, Inc. 601 North McDowell Blvd. Petaluma, CA 94954 (707) 766-2026 office (707) 338-8012 cell (707) 789-0414 fax psime@eri-us.com

----Original Message----

From: Tom Sayles [mailto:tsayles@waterboards.ca.gov]

Sent: Monday, March 20, 2006 11:27 AM

To: Paula M. Sime

Subject: 1203 Mission Street, Santa Cruz

Paula,

Let me know how much time is needed to complete the well destructions and submit the report and I will concur with your extension request via e-mail.

Thanks,

Thomas A. Sayles
Associate Engineering Geologist
UST Unit
Central Coast Water Board
895 Aerovista Place, Suite 101
San Luis Obispo, CA 93401-7906
TEL: (805) 542-4640; FAX: (805) 788-3538

NEW EMAIL ADDRESS (effective 11/08/04) tsayles@waterboards.ca.gov

How is my customer service? If you have comments you would like to express, please visit the following website and describe your experience: http://www.calepa.ca.gov/Customer/CSForm.asp

ATTACHMENT B WELL CONVEYANCE AGREEMENTS

10. MMG

Agreement to Transfer Ownership and Responsibility of Monitoring Wells

THIS AGREEMENT to Transfer Ownership and Responsibility of Monitoring Wells ("Agreement") is entered into as of September 3, 2005 (the "Effective Date") by and between the Exxon Mobil Corporation ("ExxonMobil") and Shell Oil Products U.S. ("Shell") hereinafter sometimes collectively referred to as the "Parties".

WHEREAS, ExxonMobil installed two monitoring wells identified as MW-5 and MW-6 on the property located at 1129 Mission Street, Santa Cruz, California (the "Property"). The location of the monitoring wells (hereinafter collectively referred to as the "Wells") is shown on the site map attached hereto as Exhibit A.

WHEREAS, the Parties desire to transfer ownership of the Wells to Shell.

NOW THEREFORE, for good and valuable consideration, receipt and sufficiency of which is hereby acknowledged, the parties agree as follows:

- Ownership of and responsibility for the Wells is hereby transferred from ExxonMobil to Shell as of the Effective Date of this Agreement. Both parties acknowledge that if not for this Transfer of Ownership Agreement, the monitoring wells would have been abandoned or removed when no longer needed in accordance with applicable laws and regulations governing monitoring wells abandonment or removal by ExxonMobil.
- 2. Shell shall be responsible for ensuring that all applicable permits and obligations required by any governmental agency having appropriate jurisdiction in connection with the construction, operation, maintenance or use of monitoring and recovery wells are properly transferred to Shell.
- 3. Responsibilities of Shell with respect to the Wells include, but are not limited to, wellhead maintenance, sampling and monitoring, compliance with permitting and any other governmental requirements, and proper abandonment at the completion of its use.
- 4. Shell shall indemnify and hold ExxonMobil harmless from any and all liability, damage, expense, causes of action, suits, claims, or judgments, including reasonable attorneys fees, resulting from failure to comply with governmental requirements or from injuries to persons or damage to property, which arise out of the use by Shell of the Wells after the Effective Date.
- 5. Shell hereby accepts the Wells in "AS IS" "WHERE IS" condition without warranty, express or implied, as to the fitness for use of the equipment conveyed hereby, and without warranty of merchantability, and acknowledges the monitoring wells may have contained and may continue to contain petroleum products or residue thereof. Shell hereby agrees to indemnify, defend, and save ExxonMobil harmless from all liability, damage expense, causes of action, suites, claims or judgments, including reasonable attorneys fees, resulting from, arising out of relating to or in any way connected to the use, maintenance, condition or location of the Wells.

IN WITNESS WHEREOF, the Parties hereto are authorized to and have executed this Agreement as of the day and year written above.

EXXON MOBIL CORPORATION	SHELL OIL PRODUCTS U.S.
By: Sedbacket	By: Cal Co
Title: PROJECT MANAGER	Title: Project Magr.
Address: 4096 PIDULUT DUE 494.	Address: 209455. Wilmington Are Courson, CA

ECT#_	
RAS#	10-HMG

MONITORING WELL CONVEYANCE AND RELEASE AGREEMENT

AS

For good and valuable consideration, receipt and sufficiency of which is hereby acknowledged, EXXON MOBIL CORPORATION ("Releasee") agrees to convey the (3) monitoring wells (MW8, MW9 and MW10) located in the vicinity of the property located at 1224 Mission Street, Santa Cruz, California, as described and located in Exhibit "A" attached hereto, to Mr. Jim Kelly ("Releasor"). Releasor, on behalf of itself, its successors and assigns, hereby assumes all responsibilities, liabilities, rights, title, and interest of Releasee associated with said monitoring wells, including abandoning or removing of said monitoring wells, and releases, fully discharges, indemnifies, and holds harmless Releasee, its parent, affiliates, officers, agents, employees, successors, and assigns from all claims, demands and causes of action of every kind arising from or in any way growing out of the existence, removal, location, use or condition of the monitoring wells conveyed to Releasor, including environmental contamination or cleanup thereof and abandonment or removal thereof in accordance with governmental requirements (collectively, the "Claims"), whether the basis for such Claims is now apparent or known or may hereafter develop or become known.

Releasor acknowledges the receipt of the *monitoring wells*, and recognizes that it was or may have been used for storing equipment which may have contained petroleum products and that such *monitoring wells* may continue to contain residue of petroleum products.

Releasor acknowledges that were it not for Releasor's request that Releasee not abandon or remove the monitoring wells, but leave them operational for Releasor's use and benefit, the monitoring wells would have been abandoned or removed when no longer needed in accordance with applicable laws and regulations governing monitoring well abandonment or removal. Releasor agrees to notify all appropriate governmental agencies of the change of ownership of said monitoring wells and execute any permits or other documents required to evidence such change in ownership.

This conveyance is made on an "as is and where is basis," without warranty, express or implied, as to the fitness for use of the equipment conveyed hereby, and without warranty of merchantability.

Bffective upon execution hereof, Releasor shall indemnify, protect, hold harmless, and defend Releasee and its parent, affiliates, officers, agents, employees, successors, and assigns from and against all claims, costs, damages (including consequential damages), fines, judgments, penalties, losses, liabilities or expenses suffered or incurred by the Releasee, arising directly out of or as a consequence of the existence, removal, location, use or condition of the monitoring wells conveyed to Releasor, including, but not limited to, claims brought by any local, state or governmental agency. The foregoing indemnification shall include, without limitation, injury or death to persons or damage to or loss of property arising from any of the foregoing. Such loss,

injury, death or damage shall include, but not be limited to, reasonable attorneys' fees, costs and expenses of environmental sampling, cleanup, monitoring and remediation, and contamination or further contamination to any person or persons or property resulting from or caused by the monitoring wells. Nothing herein shall apply to or affect the rights, obligations, claims, defenses, duties or relationships of the parties not related to the monitoring wells or conveyance thereof.

The above release of Releasee shall be a covenant running with the land binding on all successor owners of the referenced property. This Agreement is the entire understanding between the parties hereto, superseding all prior or contemporaneous written or oral agreements, contracts, understandings, or representations.

Releasor represents that he has read and understands the release and provisions of this Agreement, and acknowledges that Releasee suggested that Releasor obtain advice of an attorney. Releasor further acknowledges that Releasee would not have entered into this Agreement if it did not include the release provisions.

RELEASEE

EXXON MOBIL CORPORATION

Date

By: Name:

Gary A. Stumpf

Title:

Environmental Remediation Claims & Litigation Manager

RELEASOR

By:

P:\2561\LETTERS\2561 well conveyence atmosfor

ATTACHMENT C PERMITS

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DISTRIBUTION: WHITE - EHS MELLOW - WELL DRILLER /PINK - FISCAL CONTROL /GOLDENROD - RECEIPT Well Permit Application - PHD-133,WPD (REV. 9/03)

MVB

ESIGN SPECIFICATIONS:	14,400 BER) (PARCEL 1 Street, Santa	sq. ft. Olo D- SIZE) (PERMI Cruz, California 360 Kiely Blyd.	T#) (ENVISION: (Former Mob #220 San J	of 1 10-HMG)	
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RECEIPT OF WELL LOG				CEMENT/YARD	
RECEIPT OF WELL LOG					

Well Permit Application - PHD-133.WPD (REV. 9/03)

APPLICATION FOR WELL PEI	RMIT
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J NEW	DEDIACEMENT	SUPPLEMENTAL	DESTRUCTION		
		SUPPLEMENTAL	and destruction	OTHER	Ø MONITORING WELL
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		ADDRESS_ ward Drilling			(707) 374-4300
*		Attached	LICENSE #1	10017 PHONE	(101) 314-4,700
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	TER DISTRICT SERVICE AREA  UCTION DEPTH (FT.)	NUYES NAME:	DEDTH OF SE	AL /ET \ NA/	(FORM HSA-579-REQUIRED)
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	mit Application - PHD-133.WI				
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EW   REPLACEMENT	SUPPLEMENTAL				
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Well Permit Application - PHD-133.WPD (REV. 9/03)



MW1, 2, 3, 4, 7

CITY OF SANTA CRUZ - WATER DEPARTMENT 809 CENTER STREET, ROOM 102 SANTA CRUZ, CA 95060 (831) 420-5210

004-011-38 ASSESSOR'S PARCEL NUMBER

2006-3 PERMIT NUMBER

IMPORTANT: READ ALL INFORMATION ON BACK OF APPLICATION.
SITE ADDRESS: 1203 Mission St., Santa Cruz, CA (Former Mobil 10-HMG)
OWNER: Lopina Partners ADDRESS: 360 Kiely Blvd #220, San Jose, CA 95129 PHONE:
IS SITE SERVED BY A CITY WATER CONNECTION? YES NO
DRILLING CONTRACTOR: Woodward Drilling LICENSE # 710079 PHONE: (707) 374-4300
DIRECTIONS TO SITE: See Attached
NEW CONSTRUCTION REPAIR/RECONSTRUCTION DESTRUCTION STRUCTION STRUCTION DESTRUCTION DESTRUC
FLOW METER REQUIRED YES NO
WELL LEACH FIELD SEPTIC SYSTEM (CESSPOOL/PIT) SEWER (MAIN/SEPTIC TANK) PROPERTY LINE PROPERTY LINE
EXISTING WELLS ON PROPERTY (NUMBER AND INTENDED USE)
DOMESTIC:
IRRIGATION:
COMMERCIAL:
WELL CONSTRUCTION (INCLUDE WELL DRAWING WITH APPLICATION)  TOTAL DEPTH (ft.) DIAMETER (in.) DEPTH OF SEAL (ft.) THICKNESS OF SEAL (in.)
WELL DESTRUCTION
DEPTH OF WELL 25 ft DEPTH OF SEAL 0-25 NUMBER OF WATER FORMATIONS PENETRATED 1 CLEANING OF WELL REQUIRED? YES NO SEALING MATERIAL cement/bentonite grout
PLOT PLAN INCLUDE A COPY OF THE PLOT PLAN SHOWING, WHEN APPLICABLE, ALL OF THE FOLLOWING:  OWNER'S NAME, ADDRESS AND ASSESSOR'S PARCEL NUMBER  SCALE OF DRAWING OR DIMENSIONS, NORTH ARROW, PROPERTY LINES  DIRECTIONAL SLOPE OF GROUND INDICATED BY ARROW(S)  LOCATION OF THE FOLLOWING  DWELLING(S)/STRUCTURE(S) ON PROPERTY  PROPOSED WELL  EXISTING WELL(S) WITHIN 500 FEET
- EXISTING OR PROPOSED SUBSURFACE SEWAGE LEACHING FIELDS WITHIN 100 FEET OF PROPOSED WELL SITE - EXISTING OR PROPOSED CESSPOOLS OR SEEPAGE PITS WITHIN 150 FEET OF THE PROPOSED WELL SITE - SEWER MAINS, LATERALS OR SEPTIC TANKS WITHIN 50 FEET OF THE PROPOSED WELL SITE - CREEKS OR STREAMS ON PROPERTY
I HEREBY AGREE TO COMPLY WITH ALL LAWS AND REGULATIONS OF THE CITY OF SANTA CRUZ MUNICIPAL CODE CHAPTER 16.06, THE CALIFORNIA DEPARTMENT OF WATER RESOURCES WELL STANDARDS (BULLETINS 74-81 & 74-90) AND THE CALIFORNIA WATER CODE PERTAINING TO WELL CONSTRUCTION. I DECLARE UNDER PENALTY OF PERJURY THAT THE INFORMATION SUBMITTED ON THIS APPLICATION IS TRUE AND CORRECT. I UNDERSTAND THAT THIS PERMIT EXPIRES ONE YEAR FROM ISSUANCE. PAWA SIME
SIGNATURE OF APPLICANT: / ENVIRONMENTAL RESOLUTIONS, INC. DATE: 3-10-06
FOR OFFICE USE ONLY
APPROVED BY: Cara Che AGSTANT ENGINEER 3/13/06
SIGNATURE TITLE DATE  COMMENTS:
WELL PERMIT FEE: 3/13/06 \$375.00 8267  DATE PAID AMOUNT RECEIPT NO.
INSPECTIONS (SIGNATURE, DATE, COMMENTS)
INITIAL SITE INSPECTION:
INSPECTION OF ANNULAR SEAL:
ADDITIONAL COMMENTS:
RECEIPT OF WELL LOG (DATE):



## Public Works Department STREET OPENING PERMIT

Date: 03/02/2006

Permit Number: SP-20060030

Notice of Intention is hereby given that the undersigned will construct on or about 03/21/2006 a Other utility at 603 CALIFORNIA STREET between LAUREL and RIGG in the City of Santa Cruz for the purpose of:

REMOVE MONITORING WELL WITH BENTONITE AND CONTROLLED LOW STRENGTH MATERIAL AND PAVE WITH 6-INCH TYPE A ASPHALT CONCRETE - INSPECTOR TO MARK LIMIT OF REMOVAL IN FIELD PRIOR TO CUTTING

**Contractor License Number:** 

611383

**Contractor Name:** 

ENVIRONMENTAL RESOLUTIONS, INC 707 766 2005

Contractor Phone Number: Traffic Control Plan Required?:

NO

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**REQUIREMENTS:** 

1. Contractor must notify the Public Works

Department 24 hours before work is started at (831)

420-5160

2. Work to be completed within 30 days of the Start

Date listed above.

3. Street and/or sidewalk to be permanently repaired within seven days of installation.

**DISCLAIMER:** 

Contractor hereby agrees to defend and

indemnify the City of Santa Cruz for any and all claims and liability arising from work performed

pursuant to this permit

Contractor Signatore)

Mark Dettle

Director of Public Works

Inspected by:

Inspected Date:

#### General Provisions

- 1. Definition: This permit is issued pursuant to Section 15.08.30, 15.08.040 and 15.28.010 of the City of Santa Cruz Municipal Code. The term "encroachment" is used in this permit as defined in said sections of said Code, except as otherwise provided for public agencies and franchise holders. This permit is revocable on five days notice.
- 2. Acceptance of Provisions: It is understood and agreed by the permittee Public Works. that the doing of any work under this permit shall constitute an acceptance of the provisions.
- 3. No precedent established: This permit is granted with the precedent on the question of the expediency permitting certain kinds of construction to be permitted within the public right-of-way.
- 4. Notice prior to starting work: Before starting work, the permittee shall notify the Director of Public Works or other designated employee. Such notice shall be given at least 48 hours in advance of the date work is to begin. Unless otherwise specified, all work shall be performed on weekdays and during normal working hours of the grantor's inspector.
- 5. Keep permit on work: The permit shall be kept at the site of the work and must be shown to any representative of the grantor or any law enforcement officer on demand.
- 6. Permits from other agencies: The party or parties to whom this permit is issued shall, whenever the same is required by law, secure the written order of consent of any work hereunder from the Public Utilities Commission of the State of California or any other public board having jurisdiction and this permit shall be suspended in operation until such order of consent is obtained.
- 7. Protection of traffic: Adequate provisions shall be made for the protection of the traveling public. Barricades shall be placed with amber lights at night. Flagmen shall be present to direct traffic throught construction area. All of this may be required by the grantor for the particular work in progress. Warning signs, lights and devices shall be placed in conformance with the requirements of the State of California Department of Transportation Uniform Manual of Traffic Control Devices.
- out so that there will be the least possible inconvenience to the traveling public except for the specific work permitted. One lane shall remain open to the traveling public at all times. Road closures are not allowed, except 18. Trench Safety has not been checked and is NOT IMPLIED with this with special permission from the Director of Public Works.
- 9. Storage of material: No material shall be stored within two feet of the edge of the pavement or traveled way or within the shoulder line where the shoulders are wider than five feet. No supplies or equipment shall be stored on the highway until permittee is ready to start work.
- 10. Cleanup right-of-way: Upon completion of the work, all brush, timber, scrap, and material shall be entirely removed and the right-of-way left in as presentable condition as before work started.

- 11. Responsibility to protect existing improvements; The permittee shall be responsible for protecting and preserving existing street improvements in or adjacent to the area permitted for construction. Said improvements include but are not limited to streetlights, traffic signals, fire hydrants etc. The permittee shall repair or replace any street improvements damage while permitted to work in construction area to the satisfaction of the Director of
- 12. Liability for damages: The permittee is responsible and liable for personal injury or property damage which may arise out of the work herein permitted or which may arise out of failure on permittee's part to perform his understanding that this action is not to be considered as establishing any obligation under this permit in respect to maintenance. If any claim for such injury or damage is made against the City of Santa Cruz or any department, officer, or employee thereof, permittee shall defend, indemnify and hold them and each of the harmless from such claim.
  - 13. Care of drainage: If the work herein contemplated shall interfere with established drainage, ample provision shall be made by the permittee to provide for it as may be directed by the grantor.
  - 14. Test results: Upon demand, the permittee shall provide the Director of Public Works with the results of tests showing that the compaction requirements have been complied with. Compliance shall be certified by a materials testing laboratory with local experience and said laboratory shall be acceptable to the Director of Public Works.
  - 15. Pavement replacement: Any paved portion of County highway which is removed or damaged shall be replaced with minimum replacement of 0.67 foot of Class II aggregate base and 0.25 foot of Type B asphalt concrete. Where the existing structural section is greater than the replacement requirement, the structural section removed shall be replaced in kind. Concrete Streets shall be replaced in kind. Prior to repaying the existing pavement shall be cut on a straight line to give a vertical face to pave against.
  - 16. Damages to roads: Permittee agrees to repair in a manner satisfactory to the City of Santa Cruz any damages to the roads in the project area resulting from this work.
- 17. All construction shall conform to the current edition standard plans and 8. Minimum interference with traffic: All work shall be planned and carried specifications of the City of Santa Cruz. In case of conflict, the conditions of this permit will take precedence over the standard specifications.
  - permit. For current Codes and Regulations contact: CAL/OSHA (408) 452-7288 and for utility locations contact: USA 1-800-227-2600.
  - 19. If the provisions of this permit are not complied with the City reserves the right to do any and all work necessary to bring the road into a safe condition. The costs of this work will be charged to the permittee. The City will give reasonable notice of its intentions to make such repairs.

## Best Management Practices

In order to reduce the amount of pollutants reaching the storm drain system and local waterways, the City developed "Best Management Practices (BMPs)" for various types of construction work. All contractors obtaining a Street Opening or Concrete Permit from the City of Santa Cruz Public Works Department must abide by the BMPs listed below, in addition to complying with the City Municipal Code and any other conditions or requirements placed on a project by the City Planning or Public Works Departments. &nbwp;in the City of Santa Cruz, the storm drain system includes our streets, gutters, storm drain inlets and catch basins, drainage ditches, creeks, and the San Lorenzo River.

#### **General**

- The discharge of pollutants or runoff carrying pollutants, including sediment, to the storm drain system is prohibited. Take
  measures to contain work materials and protect nearby catch basins or gutters if necessary.
- Clean up leaks, drips, and spills immediately. Use dry cleanup methods if possible.
- Material stockpiles must be located away from gutters, storm drain inlets, and water bodies.
- Cover plies of construction materials and wastes with plastic sheeting or tarps so that wind or rain will not carry them into the street or storm drain. Open bags of materials should also be covered or contained.
- Remove and clean up material stockpiles by the end of each day. Sweep up or collect unused materials and debris that remain on pavement, such as the sidewalk, driveway, or street, and dispose of properly.
- When the job is completed, collect all unused or waste materials and dispose of properly. Never leave or abandon materials onsite.
   Ensure that nothing has "drifted" towards the street, gutter, or catch basin.
- Train your employees on these BMPS and familiarize them with storm water issues prior to beginning work. Ensure that your subcontractors also abide by the BMPs.

#### Roadwork and Paving

- The discharge of saw cut slurry to the storm drain system is prohibited. Take measures to contain the slurry and protect nearby catch basins or gutters if necessary. If slurry enters the storm drain system, remove the material immediately.
- Dried saw cut slurry must be cleaned up and properly disposed so that it will not be carried into the storm drain system by wind, traffic, or rainfall.
- After breaking up old pavement, sweep up materials and recycle as much material as possible. Properly dispose of non-recyclable materials.
- Cover and seal nearby storm drain inlets and manholes before applying seal coat, slurry seal, etc. Leave covers in place until the oil sealant is dry or the end of the day.
- Park paving machines over drip pans or absorbent materials if they have a continuous drip or leak.
- Groundwater and accumulated rainwater from trench or excavation work may be discharged into the City's sanitary sewer system
  provided that certain conditions and pollutant levels are met. Discharge into the storm drain system is prohibited unless prior
  approval has been obtained from the Regional Water Quality Control Board and the City Public Works Department. Please call the
  Public Works Department, at (831) 420-5131 or 420-5428, for more information.
- The accumulated sediment removed from a dewatering pump or device must be disposed of properly.

## **Concrete Work**

- Concrete and cement may never be discharged into or allowed to reach the storm drain system.
- Do not mix concrete or cement mortar in a gutter, over a storm drain inlet, or immediately adjacent to a water body.
- Never wash or rinse mixing containers and tools into the street, gutter, or storm drain system.
- Wash out from concrete mixers may never be disposed of into the storm drain system.

For more information about these Best Management Practices or for a copy of the brochure on Best Management Practices for Construction Work, please call the Public Works Department at (831) 420-5131.

Revised June 4, 2003

## NOTICE TO CONTRACTORS REGARDING REFUSE AND DEBRIS HAULING

If you need services to haul construction debris or refuse from your project, you are required by the City of Santa Cruz Municipal Code, Chapter 6.12, to use the City's Refuse Collection Program.

<u>Private companies are not allowed to operate refuse/debris box services within the City limits, except under certain limited circumstances</u> (see Santa Cruz Municipal Code section 6.12.160). Any questions regarding this provision may be directed to Bob Nelson, Superintendent of Solid Waste, 420-5548.

For City collection services and rates, call 420-5220 or contact Utility Customer Services, City Hall Annex, 809 Center Street, Room 101.

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				<i>ı</i> al Analyse	es		601 N.	MCDOMejl	Boulevard Address	11	Petal	uma City			CA State	94954 Zip		
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☐ Well Constru	ction Diagra	ım	Name _		ntal Resolution		oodward Dr	illing Company Inc.			·-	
☐ Geophysical		L	601 N.	McDowell	Boulevard		Peta				4954	
☐ Soil/Water C ☐ Other <u>Gene</u>			Signed	.// /	Address Www.L	W. Do		City 06/03/2		State 710079	Zip	
Attach additional informatio					ensed Water W	/ell Contractor		Date Sig			ense Number	

# ATTACHMENT D FIELD PROTOCOL

#### FIELD PROTOCOL

### Site Safety Plan

Field work is performed by ERI personnel in accordance with a site safety plan (SSP) developed for the site. The SSP describes the basic safety requirements for the subsurface investigation and the drilling of soil borings at the work site. The SSP is applicable to personnel and subcontractors of ERI. Personnel at the site are informed of the contents of the SSP before work begins. A copy of the SSP is kept at the work site and is available for reference by appropriate parties during the work. The ERI geologist acts as the Site Safety Officer.

### Well Destruction

Prior to drilling activities, ERI will acquire necessary permits from the appropriate agency(ies).

The wells will be pressure-grouted using neat cement or over-drilled with a B57 (or similar) drill rig with hollow-stem auger. Auger flights and sampling equipment will be steam-cleaned before use to minimize the possibility of crosshole contamination. The rinsate will be containerized and stored on site. ERI will coordinate with Exxon Mobil for appropriate disposal of the rinsate.

The well casing and annulus material will be over-drilled to the total depth of the previously installed well. The borings will then be backfilled with neat cement and finished to match the surrounding surface.

Cuttings generated during drilling will be placed in 55-gallon drums or on plastic sheeting and covered and left at the site. ERI will coordinate with Exxon Mobil for the soil to be removed to an appropriate disposal facility. Soil samples selected for possible chemical analysis will be sealed promptly with Teflon® tape and plastic caps. The samples will be labeled and placed in iced storage for transport to the laboratory. Chain-of-Custody records will be initiated in the field, updated throughout handling of the samples, and sent with the samples to the laboratory. Copies of these records will be in the final report.

## ATTACHMENT E

## LABORATORY ANALYSIS REPORT AND CHAIN-OF-CUSTODY RECORD



5 May, 2006

Paula Sime Environmental Resolutions (Exxon) 601 North McDowell Blvd. Petaluma, CA 94954

RE: Exxon 10-HMG Work Order: MPD0535

Enclosed are the results of analyses for samples received by the laboratory on 04/19/06 10:10. The samples arrived at a temperature of ° C. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Christina Dell Project Manager

CA ELAP Certificate #1210





Environmental Resolutions (Exxon)

601 North McDowell Blvd. Petaluma CA, 94954 Project: Exxon 10-HMG

Project Number: 10-HMG Project Manager: Paula Sime MPD0535 Reported: 05/05/06 09:07

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-1-(1-4)	MPD0535-01	Soil	04/17/06 14:00	04/19/06 10:10





Petaluma CA, 94954

Project: Exxon 10-HMG
Project Number: 10-HMG
Project Manager: Paula Sime

MPD0535 Reported: 05/05/06 09:07

SP-1-(1-4) (MPD0535-01) Soil Sampled: 04/17/06 14:00 Received: 04/19/06 10:10

### Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Gasoline Range Organics (C4-C12)	140	100	ug/kg	1	6D28001	04/28/06	04/28/06	EPA 8015B/8021B	
Benzene	ND	1.0	II	u	п	и	11	11	
Toluene	ND	1.0	st	41	и	н	11	"	
Ethylbenzene	ND	1.0	п	11	"	u	tt	†1	
Xylenes (total)	ND	1.0	ш	н	u	u	u	II .	
Methyl tert-butyl ether	ND	5.0	tr.	u	11	**	11	и	
Surrogate: a,a,a-Trifluorotoluene		92 %	75-	120	"	u	"	"	
Surrogate: 4-Bromofluorobenzene		86 %	45-	135	"	"	n	"	

### Extractable Hydrocarbons with Silica Gel cleanup by EPA 8015B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Diesel Range Organics (C10-C28)	78	4.0	mg/kg	4	6D24047	04/24/06	04/27/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		175 %	40-	120	"	н	"	"	S04

### Total Metals by EPA 6000/7000 Series Methods

Sequoia Analytical - Morgan Hill

		Reporting		•	<del></del>	•	<del></del>	·····	
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Lead	19	5.0	mg/kg	1	6D21021	04/21/06	04/21/06	EPA 6010B	

### EPA 8010 list Volatile Organic Compounds by EPA 8260B

### Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Bromochloromethane	ND	5.0	ug/kg	1	6E01011	05/01/06	05/01/06	EPA 8260B	
Bromodichloromethane	ND	5.0	и	11	It	н	u	n .	
Bromoform	ND	5.0	17	н	u	n n	tt	u	
Bromomethane	ND	5.0	9 '	17	11	u	11	н	
Carbon tetrachloride	ND	5.0	ч	h	tr	87	u	н	
Chlorobenzene	ND	5.0	11	ч	**	ц	11	u	
Chloroethane	ND	5.0	ц	lt.	и	ц	U	11	

Sequoia Analytical - Morgan Hill

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.



Project: Exxon 10-HMG Project Number: 10-HMG	MPD0535 Reported:
Project Manager: Paula Sime	05/05/06 09:07
	Project Number: 10-HMG

SP-1-(1-4) (MPD0535-01) Soil	Sampled: 04/17/06 14:00	Received	1: 04/19/	06 10:10			·	
Chloroform	ND	5.0	ug/kg	1	6E01011	05/01/06	05/01/06	EPA 8260B
Chloromethane	ND	5.0	11	11	"	"	11	BI A 6200B
Dibromochloromethane	ND	5.0	11	ıı	н	п	н	tt .
1,2-Dibromoethane (EDB)	ND	5.0	и	н	н	и	н	u
1,2-Dichlorobenzene	ND	5.0	"	н	н	н	н	u
1,3-Dichlorobenzene	ND	5.0	11	H	u u	H	н	ш
1,4-Dichlorobenzene	ND	5.0	n	ti	n	tr.	и	*11
1,1-Dichloroethane	ND	5.0	н	ц	и	11	ti .	н
1,2-Dichloroethane	ND	5.0	u	R	н	Ħ	и	u
1,1-Dichloroethene	ND	5.0	11	tr	11	н	и	0
cis-1,2-Dichloroethene	ND	5.0	11	n	11	**	И	11
trans-1,2-Dichloroethene	ND	5.0	н	и	lt.	11	11	н
1,2-Dichloropropane	ND	5.0	11	tt.	11	11	н	
cis-1,3-Dichloropropene	ND	5.0	#1	11	11	11	н	и
trans-1,3-Dichloropropene	ND ·	5.0	п	*1	u ,	u	It	н
Freon 113	ND	5.0	н	н	н	11	H.	"
Methylene chloride	ND	5.0	tt.	H	11	11	"	ii .
1,1,2,2-Tetrachloroethane	ND	5.0	Ħ	u u	**	If	11	It
Tetrachloroethene	ND	5.0	н	ti	н	D	н	U
1,1,1-Trichloroethane	ND	5.0		н	11	11	н	U
1,1,2-Trichloroethane	ND	5.0	11	tt.	11	11	n	11
Trichloroethene	ND	5.0	"	u	n	н	tı	11
Trichlorofluoromethane	ND	5.0	H	и	н	u	n	If .
Vinyl chloride	ND	5.0	u	Ħ	n	u	н	u
Surrogate: Dibromofluorometha	ine	89 %	70	)-120	н	"	"	и
Surrogate: 1,2-Dichloroethane-	14	84 %	55	5-135	n	u	u u	и
Surrogate: 4-Bromofluorobenze	ne	80 %	70	)-115	"	"	"	n
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Project Exxon 10-HMG
Project Number: 10-HMG
Project Manager: Paula Sime

MPD0535 Reported: 05/05/06 09:07

### Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%PEC	%REC	D D D	RPD	M-4
niayo	Vesair	Limit	OHIIS	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6D28001 - EPA 5030B [P/T]										
Blank (6D28001-BLK1)				Prepared	& Analyz	ed: 04/28/	06			
Gasoline Range Organics (C4-C12)	ND	50	ug/kg						/	
Benzene	ND	0.5	11							
Toluene	ND	0.5	11							
Ethylbenzene	ND	0.5	11							
Xylenes (total)	ND	0.5	11							
Methyl tert-butyl ether	ND	2.5	u							
Surrogate: a,a,a-Trifluorotoluene	77. I		"	80.0		96	75-120		<del></del>	
Surrogate: 4-Bromofluorobenzene	82.7		"	80.0		103	45-135			
LCS (6D28001-BS1)				Prepared	& Analyz	ed: 04/28/	06			
Gasoline Range Organics (C4-C12)	498	100	ug/kg	550		91	65-125			
Surrogate: 4-Bromofluorobenzene	86.2		"	80.0		108	45-135			~~
LCS (6D28001-BS2)				Prepared	& Analyz	ed: 04/28/	06			
Benzene	19.0	1.0	ug/kg	20.0		95	55-150			***
Toluene	20.2	1.0	11	20.0		101	80-125			
Ethylbenzene	19.8	1.0	11	20.0		99	65-120			
Xylenes (total)	60.3	1.0	If	60.0		100	80-130			
Surrogate: a,a,a-Trifluorotoluene	78.6		"	80.0		98	75-120			
Matrix Spike (6D28001-MS1)	So	urce: MPD0:	535-01	Prepared	& Analyz	ed: 04/28/	06			
Gasoline Range Organics (C4-C12)	830	100	ug/kg	550	140	125	65-125			
Benzene	10.5	1.0	11	5.30	ND	198	55-150			QM0
Toluene	42.6	1.0	11	45.9	ND	93	80-125			
Ethylbenzene	9.55	1.0	н	9.20	ND	104	65-120			
Xylenes (total)	47.2	1.0	н	52.9	ND	89	80-130			
Surrogate: a,a,a-Trifluorotoluene	66.9		"	80.0		84	75-120			<del></del>
Surrogate: 4-Bromofluorobenzene	80.4		н	80.0		100	45-135			





Petaluma CA, 94954

Project: Exxon 10-HMG

Project Number: 10-HMG Project Manager: Paula Sime MPD0535 Reported: 05/05/06 09:07

# Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6D28001 - EPA 5030B [P/T]										
Matrix Spike Dup (6D28001-MSD1)	So	urce: MPD05	535-01	Prepared	& Analyz	ed: 04/28/	06			
Gasoline Range Organics (C4-C12)	499	100	ug/kg	550	140	65	65-125	50	40	QC21
Benzene	9.54	1.0	"	5.30	ND	180	55-150	10	35	QM01
Toluene	43.9	1.0	н	45.9	ND	96	80-125	3	40	•
Ethylbenzene	8.49	1.0	11	9.20	ND	92	65-120	12	40	
Xylenes (total)	47.9	1.0	н	52.9	ND	91	80-130	1	40	
Surrogate: a,a,a-Trifluorotoluene	69.7		и	80.0		87	75-120			
Surrogate: 4-Bromofluorobenzene	69.7		#	80.0		87	45-135			





Project Exxon 10-HMG
Project Number: 10-HMG
Project Manager: Paula Sime

MPD0535 Reported: 05/05/06 09:07

# Extractable Hydrocarbons with Silica Gel cleanup by EPA 8015B - Quality Control Sequoia Analytical - Morgan Hill

Andre	D 14	Evaluation	** **	Spike	Source	*/556	%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6D24047 - LUFT-DHS										
Blank (6D24047-BLK1)				Prepared:	04/24/06	Analyzed	1: 04/26/06			
Diesel Range Organics (C10-C28)	0.955	0.65	mg/kg							
Surrogate: n-Octacosane	1.18		"	1.67		71	40-120		<del></del>	
LCS (6D24047-BS1)				Prepared:	04/24/06	Analyzed	l: 04/26/06			
Diesel Range Organics (C10-C28)	15.3	1.0	mg/kg	16.7		92	60-115		·	
Surrogate: n-Octacosane	1.42		n.	1.67		85	40-120			
Matrix Spike (6D24047-MS1)	Sou	rce: MPD04	114-06	Prepared:	04/24/06	Analyzed	l: 04/26/06			
Diesel Range Organics (C10-C28)	12.9	1.0	mg/kg	16.7	1.4	69	60-115		~~~~	
Surrogate: n-Octacosane	1.11		"	1.67		66	40-120			
Matrix Spike Dup (6D24047-MSD1)	Sou	rce: MPD04	114-06	Prepared:	04/24/06	Analyzed	1: 04/26/06			
Diesel Range Organics (C10-C28)	12.4	1.0	mg/kg	16.7	1.4	66	60-115	4	40	
Surrogate: n-Octacosane	1.43		"	1.67		86	40-120			





Project Number: 10-HMG Petaluma CA, 94954 Project Manager: Paula Sime

MPD0535 Reported: 05/05/06 09:07

### Total Metals by EPA 6000/7000 Series Methods - Quality Control Sequoia Analytical - Morgan Hill

Project: Exxon 10-HMG

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6D21021 - EPA 3050B					···					
Blank (6D21021-BLK1)	•			Prepared	& Analyz	ed: 04/21/	06		- //	
Lead	ND	2.5	mg/kg					~		
LCS (6D21021-BS1)				Prepared	& Analyz	ed: 04/21/	06			
Lead	49.9	5.0	mg/kg	50.0		100	75-120			
Matrix Spike (6D21021-MS1)	Sou	rce: MPD0:	548-01	Prepared	& Analyz	ed: 04/21/	06			
Lead	466	5.0	mg/kg	50.0	160	612	75-120	**		QM0
Matrix Spike Dup (6D21021-MSD1)	Sor	irce: MPD0:	548-01	Prepared	& Analyz	ed: 04/21/	06			
Lead	406	5.0	mg/kg	50.0	160	492	75-120	14	25	QM0





601 North McDowell Blvd. Petaluma CA, 94954 Project: Exxon 10-HMG

Project Number: 10-HMG Project Manager: Paula Sime MPD0535 Reported: 05/05/06 09:07

### EPA 8010 list Volatile Organic Compounds by EPA 8260B - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E01011 - EPA 5035										
Blank (6E01011-BLK1)				Prepared	& Analyz	ed: 05/01/	06			
Bromochloromethane	ND	2.5	ug/kg							
Bromodichloromethane	ND	2.5	**							
Bromoform	ND	2.5	II							
Bromomethane	ND	2.5	u							
Carbon tetrachloride	ND	2.5	11							
Chlorobenzene	ND	2.5	11							
Chloroethane	ND	2.5	11							
Chloroform	ND	2.5	n							
Chloromethane	ND	2.5	U							
Dibromochloromethane	ND	2.5	tt.							
1,2-Dibromoethane (EDB)	ND	2.5	**							
1,2-Dichlorobenzene	ND	2.5	If							
1,3-Dichlorobenzene	ND	2.5	11							
1,4-Dichlorobenzene	ND	2.5	u							
1,1-Dichloroethane	ND	2.5	II							
1,2-Dichloroethane	ND	2.5	u							
1,1-Dichloroethene	ND	2.5	ır							
cis-1,2-Dichloroethene	ND	2.5	н							
trans-1,2-Dichloroethene	ND	2.5	11							
1,2-Dichloropropane	ND	2.5	11							
cis-1,3-Dichloropropene	ND	2.5	u							
trans-1,3-Dichloropropene	ND	2.5	#							
Freon 113	ND	2.5	tt							
Methylene chloride	ND	2.5	#1							
1,1,2,2-Tetrachloroethane	ND	2.5	н							
Tetrachloroethene	ND	2.5	11							
1,1,1-Trichloroethane	ND	2.5	u							
1,1,2-Trichloroethane	ND	2.5	н							
Trichloroethene	ND	2.5	11							

Sequoia Analytical - Morgan Hill

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.





Petaluma CA, 94954

Project: Exxon 10-HMG
Project Number: 10-HMG
Project Manager: Paula Sime

MPD0535 Reported: 05/05/06 09:07

## EPA 8010 list Volatile Organic Compounds by EPA 8260B - Quality Control Sequoia Analytical - Morgan Hill

			Spike	Source		%REC		RPD		
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Satch 6E01011 - EPA 5035									_	
Blank (6E01011-BLK1)				Prepared a	& Analyzo	ed: 05/01/0	)6			
richlorofluoromethane	ND	2.5	II							
/inyl chloride	ND	2.5	ti							
urrogate: Dibromofluoromethane	4.60		"	5.00		92	70-120			
urrogate: 1,2-Dichloroethane-d4	4.58			5.00		92	55-135			
urrogate: 4-Bromofluorobenzene	4.42		"	5.00		88	70-115			
CS (6E01011-BS1)					& Analyz	ed: 05/01/0				
Bromochloromethane	11.8	5.0	ug/kg	10.0		118	65-150			
Bromodichloromethane	10.8	5.0	**	10.0		108	85-150			
Bromoform	10.0	5.0	11	10.0		100	85-140			
romomethane	11.1	5.0	н	10.0		111	10-150			
Carbon tetrachloride	10.7	5.0	ıı	10.0		107	70-150			
Chlorobenzene	10.3	5.0	11	10.0		103	85-130			
hloroethane	11.1	5.0	11	10.0		111	10-150			
Chloroform	10.4	5.0	II.	10.0		104	80-140			
Chloromethane	11.1	5.0	0	10.0		111.	40-140			
Dibromochloromethane	11.1	5.0	#1	10.0		111	75-150			
,2-Dibromoethane (EDB)	10.5	5.0	11	10.0		105	85-135			
,2-Dichlorobenzene	10.8	5.0	#	10.0		108	85-130			
,3-Dichlorobenzene	11.3	5.0	11	10.0		113	85-130			
,4-Dichlorobenzene	11.3	5.0	H	10.0		113	85-130			
1,1-Dichloroethane	10.1	5.0	Ħ	10.0		101	75-145			
1,2-Dichloroethane	9.79	5.0	11	10.0		98	65-145			
1,1-Dichloroethene	11.7	5.0	H	10.0		117	70-150			
cis-1,2-Dichloroethene	11.1	5.0	Ħ	10.0		111	85-145			
trans-1,2-Dichloroethene	11.3	5.0	n	10.0		113	75-150			
1,2-Dichloropropane	10.4	5.0	u	10.0		104	85-135			
cis-1,3-Dichloropropene	10.7	5.0	н	10.0		107	75-120			
trans-1,3-Dichloropropene	10.7	5.0	п	10.0		107	75-125			
Freon 113	10.0	5.0	и	10.0		100	75-120			

Sequoia Analytical - Morgan Hill

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Petaluma CA, 94954

Project: Exxon 10-HMG

Project Number: 10-HMG
Project Manager: Paula Sime

MPD0535 Reported: 05/05/06 09:07

## EPA 8010 list Volatile Organic Compounds by EPA 8260B - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E01011 - EPA 5035										
LCS Dup (6E01011-BSD1)				Prepared	& Analyzo	ed: 05/01/	06			
cis-1,2-Dichloroethene	11.6	5.0	ug/kg	10.0		116	85-145	4	20	
rans-1,2-Dichloroethene	11.7	5.0	19	10.0		117	75-150	3	30	
1,2-Dichloropropane	10.9	5.0	H	10.0		109	85-135	5	20	
cis-1,3-Dichloropropene	11.2	5.0	u	10.0		112	75-120	5	40	
rans-1,3-Dichloropropene	11.3	5.0	lf .	10.0		113	75-125	5	30	
Freon 113	10.4	5.0	u	10.0		104	75-120	4	25	
Methylene chloride	11.6	5.0	11	10.0		116	65-150	4	35	
1,1,2,2-Tetrachloroethane	10.7	5.0	н	10.0		107	70-140	0	20	
<b>Tetrachloroethene</b>	11.2	5.0	11	10.0		112	70-150	6	20	
1,1,1-Trichloroethane	11.1	5.0	н	10.0		111	75-150	5	20	
1,1,2-Trichloroethane	11.4	5.0	11	10.0		114	85-135	9	20	
Trichloroethene	11.5	5.0	н	10.0		115	65-150	5	20	
Trichlorofluoromethane	10.7	5.0	11	10.0		107	45-150	6	40	
Vinyl chloride	11.5	5.0	n	10.0		115	25-150	0.9	40	
Surrogate: Dibromofluoromethane	4.62		n.	5.00		92	70-120	<del></del>		
Surrogate: 1,2-Dichloroethane-d4	4.35		"	5.00		87	55-135			
Surrogate: 4-Bromofluorobenzene	4.69		n	5.00		94	70-115			





Project Number: 10-HMG
Project Manager: Paula Sime

MPD0535 Reported: 05/05/06 09:07

#### **Notes and Definitions**

The surrogate recovery for this sample is above control limits due to interference from the sample matrix.

QM01 The spike recovery was above control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

QC21 The RPD result exceeded the control limits; however, both percent recoveries were acceptable. Sample results for the QC batch

were accepted based on percent recoveries and completeness of QC data.

HC-12 Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

	··········																				
Test/America	Consultant Name: Environmental Resolutions, Inc.						ExxonMobil Engineer Jennifer C. Sedlachek														
	•	Address:	601 North N	CDowell Bo	oulevard		_	Telephone Number <u>(510)</u> 547-8196													
		City/State/Zip:	Petaluma, C	California 94	1954	<u> </u>	_	Account #: 10228													
Morgan Hill	Þ	roject Manager	Paula Sime				_	PO#: 4504239086													
885 Jarvis Drive	Telep	Telephone Number: <u>(707)</u> 766-2000								Facility ID # 10-HMG											
Morgan Hill, CA 95037		र। Job Number:					-		•	Globa	il ID#	T06	0870	0001	4 -						
ExonMobil	Sam	er Name: (Print) pler Signature:	CASI	12	•		<b>-</b>					120: San									
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48 hour 96 hour		*VOCs 8260	B: Use 80	10 List	N.	1PD 05	35				8015B	8015B	8021	8021B	8	)9 p					
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Sample ID / Descript	ion	DATE	TIME	СОМР	GRAB	PRESERV	NUMBER	Water	Soil	Vapor	ТРН	TPHg	BTEX	MTBE	VOCs 8260B *	Total Lead					
SP-1-(1-4)		4/17/2006	14:00	Х		Ice	4 Sleeves		Х		Х		х		Х	х					 
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# SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: MES ER I		٠.	DATE REC'D AT LAB	4-19	•	For Regulatory Purposes?						
REC. BY (PRINT)	(PRINT) <u>EB</u>		•	TIME REC'D AT LAB:			DRINKING WATER YES INC					
WORKORDER:			• •	DATE LOGGED IN:	412			WASTE W	ATER YES (NO)			
				•								
CIRCLE THE APPRO	PRIATE RESPONSE	LAB SAMPLE#	DASH #	CLIENT ID	CONTAINER DESCRIPTION		рН	SAMPLÆ MATRIX	i	REMARKS: CONDITION (ETC.)		
1. Custody Seal(s)	Present / Absent -						· · · · · · · · · · · · · · · · · · ·	<u> </u>		/		
	Intact / Broken*											
2. Chain-of-Custody.	Rresent Absent*	-	<u> </u>	•						·/ ·		
3. Traffic Reports or	_		•									
Packing List:	Present / Absent)											
4. Airbill:	Airbill / Sticker				· · · · · · · · · · · · · · · · · · ·	-						
	Present / Absent			•				000				
5. Airbill #:				٠								
6. Sample Labels:	Present Absent			• .			<u>neq</u>					
7. Sample IDs:	Listed) Not Listed						1/			5		
:	on Chain-of-Custody						<u>/·</u>					
8. Sample Condition:	Intact / Broken*/					100						
	Leaking*	• •				//						
9. Does information on	chain-of-custody,				, 04		·		<u>.</u>	-		
traffic reports and s	ample labels				.00		····					
agree?	Yes/No*			• •	4		·		·			
10. Sample received withi							•	-		. 3		
hold time?	Yes //No*		<u> </u>					·				
11. Adequate sample volu					<u></u>				•			
received?	(es/)No*			·		• • •		·				
12. Proper preservatives u												
13. Trip Blank / Temp Blan	nk Received?				·		•		· ·			
(circle which, if-yes)	Yes (Now		•	-/					· ·	i		
14. Read Temp:	420:						· ·			· · · · · · · · · · · · · · · · · · ·		
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or Problem COC			- (C. C. C		NAME OF THE PROPERTY OF THE PR		ASSTRUCES OF		usa da ana			

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

SRL Revision 7 Replaces Rev 5 (07/13/04) Effective 07/19/05

# ATTACHMENT F WASTE DISPOSAL DOCUMENTATION

C241 SHIPPER NO. B 019757 STRAIGHT BILL OF LADING—SHORT FORM—Original—Not Negotiable CARRIER NO VVIRONMENTAL RESOLUTIONS (SCAC) FROM MOWIC ENVIRONMENTAL TICH CORR SHIPPER CACH PAB 1802 EAST PALO ALTO, DA. 84300 STREET STATE ZIP ORIGIN ZIP STATE U.S. DOT Hazmat Reg. No. VEHICLE NUMBER CAD 981 411 685 *WEIGHT (Subject to correction) Class or **CHARGES** Description of articles, special marks, and exceptions (For carrier use only) Rate colum GROUNDWATER MONITORING WELL TURGE WATER PROFILE: 301560 60 ECOC BYLLGYAM PLACARDS TENDERED: YES STORE NAME: STORE ADDRESS C.O.D. Fee:

ODRESS:		•	COD AMT: \$		PREPAID			
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f the shipment moves between two p squires that the bill of lading shall state eight".	whether it is "carrier's or shipper's	shipment is to be delivere consignor, the consignor sh	conditions of applicable bill of d to the consignee without rec all sign the following statement: e delivery of this shipment withou	ourse on the	TOTAL CHARGES: \$	CUADOFO		
iote where the rate is dependent on vectorally in writing the agreed or declar		freight and all other lawful o		n payment of	FREIGHT CHARGES Freight Prepaid Chec			
he agreed or declared value of the pro- te shipper to be not exceeding	per			except when box at right is checked	if charges to be collect			
SCEIVED, subject to the classifications and irised, consigned, and destined as indicat ntract) agrees to carry to its usual place of or any of said property over all or any po nditions not prohibited by law, whether print the control of the	ed above, which said company (the wol delivery at said destination, if on its own rtion of said route to destination, and as t	rd company being understood thr road or its own water line, otherwi- to each party at any time intereste	oughout this contract as meaning as se to deliver to another carrier on the ad in all or any of said property, that s	y person or corporcute to said desting	pration in possession of nation, it is mutually ago nerformed hereunder	of the property under reed as to each carrie shell he subject to all		
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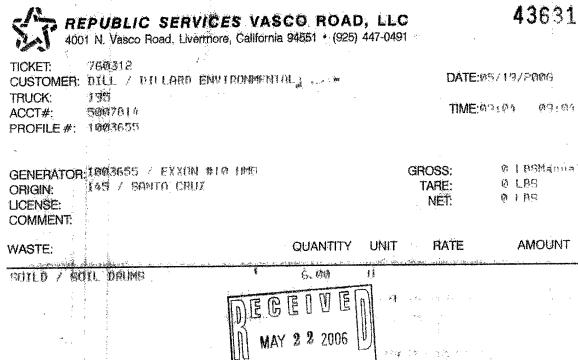
NO. HPPING

UNIT

HM

>0# 5.VP#

EMIT C.O.D. TO:



I certify that I have not disposed

of any liquid or hazardous waste.

Total:

Mark Pursell

Weighmaster:

RECYCLING